

REMARKS

Claims 1-31 remain pending in this application. Claims 18-28 are withdrawn.
The Examiner has rejected 1-17 and 29-31.

REJECTIONS

§ 102(b)

Claims 1-17 and 29-31 are rejected as being anticipated by Moerder (U.S. Patent No. 6,256,483). This rejection is traversed.

The Applicant kindly reminds the Examiner that when rejecting a claim under 35 U.S.C. § 102(b), each and every claim limitation must be explicitly taught in a single reference. "...In other words, for anticipation under 35 U.S.C. § 102, the reference must teach every aspect of the claimed invention either explicitly or impliedly. Any feature not directly taught must be inherently present." (See §706.02 of the MPEP).

The Examiner has failed to provide such an anticipatory reference when attempting to apply Moerder to claim 1. For example, Moerder fails to disclose a precalibrated IF module and at least one precalibrated RF module, and in addition, fails to disclose an IF module memory and a RF module memory, as recited in claim 1.

Moerder discloses a method and apparatus for the calibration of a remote unit wireless transmitter/receiver. The remote unit includes an outdoor unit 68 and an indoor unit 90. The outdoor unit 68 includes a plurality of components, some of which include: a low noise amplifier 74 to reduce a first path loss, and a power amplifier 82 to reduce a

second path loss. The circuitry of the outdoor unit 68 is designed to be in close proximity of satellite dish 70. The indoor unit includes circuitry that is not required to be in close proximity to the satellite dish 70. Both the outdoor and indoor units 68 and 90 are connected via a cable (see column 5, lines 28-52).

In operation, the signal power level used by the remote transmit unit may be reduced to avoid creating excess interference to the system. In order to limit the signal power level transmitted from the outdoor unit 68, the signal power level of the indoor unit 90 must be reduced. A memory unit 100 stores a maximum gain setting value for the variable gain amplifier 96, which may serve as a maximum threshold gain setting value (see column 7, line 62 – column 8, line 13).

The memory 100 may also serve to store a table of temperature values that may be used to determine whether to adjust the signal level based on the current temperature level. Further, the memory 100 may store additional factors which influence the outdoor unit 68 characteristics, in an effort to more precisely identify the current operating conditions (see column 10, lines 47-55).

The Applicant's interpretation of Moerder, as described above, is different from the Examiner's interpretation. For example, the Examiner alleges that Moerder discloses:

“an IF module memory operable for storing calibration values for the IF circuitry” and relies on column 12, lines 13-21 of Moerder for support. Applicant disagrees that column 12, lines 13-21 of Moerder discloses an IF module memory operable for storing calibration values for the IF circuitry, as recited in claim 1.

With regard to the Examiner's relied upon teachings of Moerder, column 12, lines 13-16 of Moerder discloses:

the output of amplifier 82 during the calibration process is dumped into a dummy load so that the majority of the energy output by the power amplifier 82 is not transmitted over the wireless link.

Applicant disagrees that the above referenced portion of Moerder teaches any portion of an IF module memory operable for storing calibration values for the IF circuitry, as recited in claim 1.

The Examiner further alleges that the exact same disclosure of Moerder (column 12, lines 13-21) used to teach an IF module memory, also discloses an RF module memory operable for storing RF calibration values for the RF circuitry, as recited in claim 1.

Applicant disagrees that Moerder discloses an IF module memory or the RF module memory. Furthermore, Applicant disagrees even more that Moerder teaches both The IF module memory and the RF module memory, as recited in claim 1.

The Examiner also relied upon column 6, lines 20-33 of Moerder to support the rejection to claim 1. Applicant disagrees that column 6, lines 20-33 of Moerder provides any support for the IF module memory and the RF module memory recited in claim 1. Moerder merely discloses the operation of transmitting a signal via satellite dish 70 at column 6, lines 20-33. These teachings include outputting the IF signal from the variable gain amplifier 96 over a length of cable to the outdoor unit 68, and the IF signal is

converted to an RF frequency suitable for transmission, which is output to the satellite dish 70 via OMT 72.

For at least the reasons as set forth above, Applicant submits that independent claim 1 and those claims dependent thereon are allowable over Moerder. Withdrawal of these rejections, and an allowance of these claims is kindly requested.

Regarding independent claims 29-30, Applicant submits that for substantially similar reasons as those set forth above with regard to independent claim 1, that independent claims 29-30 and those claims dependent thereon, are also allowable over Moerder. Withdrawal of these rejections, and an allowance of these claims is also kindly requested.


CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited.

If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, Mark C. Comtois, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future, including extension of time fees, to **Deposit Account 04-1679**.

Respectfully Submitted

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